



# Fax

<b>Attention:</b> ISSUE FEE	<b>From:</b> M. Elizabeth Bush
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<b>Phone:</b>	<b>Phone:</b> 818-833-2003
<b>Company:</b> U.S. Patent and Trademark Office	<b>Company:</b> Quallion LLC
	<b>Pages:</b> Total of (7) Pages
<b>Re:</b> Application Serial No.: 10/031,022 Title: Lithium Thin Film Lamination Technology on Electrode to Increase Battery Capacity Filed January 14, 2002 Confirmation No.: 4461 Examiner: J. Maples Group Art Unit: 1734 Attorney Docket No.: Q106-US1	<b>Date:</b> March 2, 2004

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1. Transmittal of Payment of Issue Fee (in duplicate)
2. Issue Fee Transmittal (in duplicate)
3. Comments on Reasons for Allowance

Lisa K. Robbins

(Name of Person Signing Certificate)

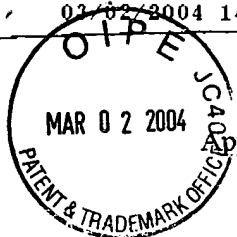
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**Quallion LLC**

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PAGE 1/7 \* RCVD AT 3/2/2004 4:19:19 PM [Eastern Standard Time] \* SVR:USPTO-EFAX-2/3 \* DNIS:7464000 \* CSID:818 833 2065 \* DURATION (mm-ss):02-16



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:  
TSUKAMOTO, HISASHI et al.

US Serial No.: 10/031,022  
from PCT/US00/19348

:Examiner: John Maples

:Art Unit: 1734

US National Stage: 14 January 2002  
International Filing Date: 14 July 2000

Title: Lithium Thin Film Lamination  
Technology on Electrode to Increase  
Battery Capacity

Honorable Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Comments on Statement of Reasons for Allowance

Applicant is in receipt of the Notice of Allowance and Fee(s) Due, dated February 23, 2004, as well as the Notice of Allowability including an Examiner's Statement of Reasons for Allowance.

Applicant respectfully disagrees with the Examiner's Statement of Reasons for Allowance to the extent that not all the claims include the particular limitations mentioned by the Examiner. For example, not all of the claims recite plastic as the sheet material.

Also, to the extent that there is any implication that the patentability of the claims rests on the recitation of a single feature, Applicant respectfully disagrees with the Examiner's Statement because it is the combination of features that makes the claims patentable. For instance, Claim 1 recites:

1. A method to laminate lithium onto an electrode comprising the steps of:

- (a) utilizing an electrode structure including a substrate coated with active material;
- (b) utilizing a lithium coated plastic sheet;

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(c) pressing the said electrode material and said lithium coated sheet together using a pair of pressing structures;

(d) moving said electrode structure and lithium coated sheet through the pressing structures; and

(e) applying pressure and heat in vacuum to said electrode structure and said lithium coated sheet while moving them through said pressing structures.

Claim 7 recites:

7. A method for increasing the storage capacity of a lithium ion battery including the steps of:

(a) providing an electrode structure comprised of a metal substrate coated with active material; and

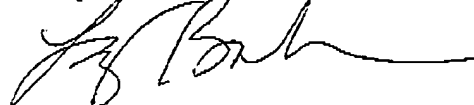
(b) depositing lithium onto or into said active material to reduce cavities therein; wherein said depositing step includes:

(b1) providing a sheet carrier bearing a layer of lithium metal; and

(b2) pressing said layer of lithium metal against said active material to transfer lithium onto or into said active material.

Accordingly, Applicant submits that these claims and the other claims of the application are allowable because the prior art does not teach or suggest the combination of features as recited.

Respectfully submitted,



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